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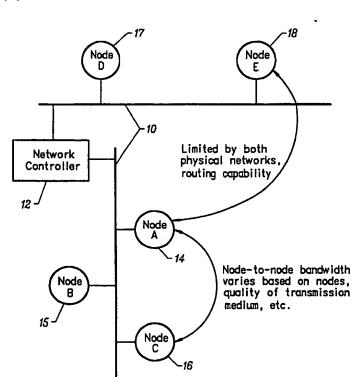
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- GN, GW, ML, MR, NE, SN, TD, TG).

Published:

With international search report.

[Continued on next page]

(54) Title: METHOD AND APPARATUS IMPLEMENTING A MULTIMEDIA DIGITAL NETWORK



Physical medium supports a maximum bandwidth at a particular frequency and modulation technique (can be wired or wireless)

(57) Abstract: A method and apparatus for efficiently managing the allocation of available data capacity on a physically shared digital network among devices connected to that network is disclosed. Also disclosed is a method and apparatus for managing the ongoing timely movement of data on the shared network such that precise long-term data rates are achieved between attached devices with minimal additional buffering. The invention further comprises a method and apparatus which allows the use of any remaining network capacity for non time-critical data movement without the need for centralized access management.

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(88) Date of publication of the international search report: 18 January 2001 For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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X Furt	ner documents are listed in the continuation of box C.	Potent family members are listed	In annex.
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	claims 1,3,7					
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International application No. PCT/US 99/16113

INTERNATIONAL SEARCH REPORT

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)					
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:					
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:					
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:					
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).					
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)					
This International Searching Authority found multiple inventions in this international application, as follows:					
see additional sheet					
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.					
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.					
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:					
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:					
Remark on Protest The additional search fees were accompanied by the applicant's protest. X No protest accompanied the payment of additional search fees.					

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1,7-25,27,33-51

Method and apparatus for allocating data capacity on a shared network providing an on-demand packet based service and an streaming media service (isochronous) by

computing a transmission schedule indicating when each connected device is permitted to transmit and

indicating unscheduled portions of network bandwidth.

2. Claims: 2-6,26,28-32,52

Method and apparatus for allocating data capacity on a shared network providing a network interface component with:

a counter and a register

where access to the network is regulated by comparing the values of counter and register.

Information on patent family members

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